1. NAME OF CONVEYING PARTY(IES):

Johnson, Ashley B.
Behrmann, Lawrence A.
Yang, Wenbo
Doornbosch, Fokko H.C.

Schlumberger Technology Corporation
300 Schlumberger
Sugar Land, TX 77478

12/11/02

No additional names attached

3. NATURE OF CONVEYANCE:

ASSIGNMENT EXECUTION DATE: 9/9, 9/12, 9/19, 12/6/2002

4. APPLICATION NUMBER(S) OR PATENT NUMBER(S):

If this document is being filed with a new application, the filing date of the application is: 12/11/2002

A. PATENT APPLICATION NO.(s)
B. PATENT NO.(s)

NO ADDITIONAL NUMBERS ATTACHED

5. NAME AND ADDRESS FOR CORRESPONDENCE:

Schlumberger Technology Corporation
Attn: Patent Counsel
P.O. Box 1590
Rosharon, Texas 77583-1590

6. TOTAL NUMBER OF APPLNS. & PATENTS INVOLVED 1.

7. TOTAL FEE (37 CFR 1.341) $40.00

CHARGE TO DEPOSIT ACCOUNT

8. DEPOSIT ACCOUNT NO. 50 0457
(a duplicate of this page is attached)

9. STATEMENT AND SIGNATURE.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Jeffrey E. Griffin, Reg. No. 36,534 (Signature)

12/11/02 (Date)

Total number of pages including cover sheet, attachments and document:

12/17/2002 6TOM11 00000015 500457 10316614
01 FC:8021 40.00 CH

PATENT
REEL: 013568 FRAME: 0331
ASSIGNMENT

WHEREAS, I, Ashley B. Johnson, a citizen of the United Kingdom, residing at Ravello, Butt Lane, Milton, Cambridge, CB4 6DG, Great Britain; Lawrence A. Behrmann, a citizen of the United States of America, residing at 12442 Shadycrest Drive, Houston, Texas 77082, Wenbo Yang, a citizen of the United States of America, residing at 3019 Sam Houston Drive, Sugar Land, Texas 77479, and Fokko H. C. Doornbosch, a citizen of The Netherlands, residing at Jamnholbakken 4, 4050 SOLA, Norway, hereinafter referred to as the "Inventor", have made inventions and improvements in: Controlling Transient Underbalance in a Wellbore which are the subject of an application for Letters Patent of the United States of America, executed by us on the date(s) indicated below, (Docket No. 22.1434 CIP1), hereinafter referred to as the "Invention(s)".

AND WHEREAS, Schlumberger Technology Corporation, hereinafter referred to as the "said COMPANY", a corporation duly organized, incorporated and existing under the laws of the State of Texas and having a place of business at 300 Schlumberger Drive, Sugar Land, Texas 77478 is desirous of acquiring or confirming its acquisition of the entire right, title and interest in and to said invention, inventions or improvements, and in and to said application, and in and to any and all patents, both of the United States and of all foreign countries, that may be obtained therefore;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that I, the Inventor, for good and valuable considerations, the receipt and sufficiency of which I hereby acknowledge, have sold, assigned, transferred and conveyed, and by this assignment do sell, assign, transfer and convey, unto said COMPANY, its successors and assigns, the entire right, title and interest throughout the world, in and to my invention, inventions or improvements described or set forth in said application, in any form or embodiment thereof, and in and to said application, and in and to any applications filed in any foreign country based thereon, including the right to file foreign applications under the provisions of any convention or treaty; and in and to any confirmation, divisional, continuation, continuation-in-part, or substitute application which may be filed on said invention, inventions or improvements in the United States or in any foreign country; and in and to any and all patents, certificates, utility models, reissues, extensions, additions or confirmations thereof which may be granted in the United States or in any foreign country upon said invention, inventions or improvements, TO HAVE AND TO HOLD the same to the full end of the term or terms for which any and all such United States and foreign patents and
grants may be issued on said invention, inventions or improvements.

AND I do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said COMPANY, its successors and assigns, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said COMPANY, its successors and assigns.

AND I do hereby covenant and warrant that I have full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that I have not executed and will not execute any instruments in conflict herewith.

AND I, for the conditions aforesaid, do hereby covenant and agree to and with the said COMPANY, its successors and assigns, that I, my executors, administrators, or other personal representatives, shall and will do all lawful acts and things, make all rightful oaths, and make, execute and deliver any and all other instruments in writing, and any and all further applications, papers, powers, affidavits, assignments, disclaimers and other documents, which in the opinion of counsel for said COMPANY, its successors and assigns, may be required or necessary in this or in any foreign country more effectually to secure to and vest in said COMPANY, its successors and assigns, the entire right, title and interest in and to said invention, inventions or improvements, application or applications, patents, rights, titles, benefits, privileges, and advantages hereby sold, assigned, confirmed, transferred and conveyed.

IN WITNESS WHEREOF I, Ashley B. Johnson, have hereunto set my hand and seal this _________________, 2002.

___________________________
Ashley B. Johnson

BE IT KNOWN, that, is to me known to be the individual described in the foregoing assignment, that on this ___ day of ______________, 2002, I was personally present and did see him sign and execute the foregoing assignment and that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth.

___________________________
Witness

___________________________
Witness

___________________________
Post Office Address

___________________________
Post Office Address
AND I do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said COMPANY, its successors and assigns, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said COMPANY, its successors and assigns.

AND I do hereby covenant and warrant that I have full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that I have not executed and will not execute any instruments in conflict herewith.

AND I, for the conditions aforesaid, do hereby covenant and agree to and with the said COMPANY, its successors and assigns, that I, my executors, administrators, or other personal representatives, shall and will do all lawful acts and things, make all rightful oaths, and make, execute and deliver any and all other instruments in writing, and any and all further applications, papers, powers, affidavits, assignments, disclaimers and other documents, which in the opinion of counsel for said COMPANY, its successors and assigns, may be required or necessary in this or in any foreign country more effectually to secure to and vest in said COMPANY, its successors and assigns, the entire right, title and interest in and to said invention, inventions or improvements, application or applications, patents, rights, titles, benefits, privileges, and advantages hereby sold, assigned, confirmed, transferred and conveyed.

IN WITNESS WHEREOF I, Ashley B. Johnson, have hereunto set my hand and seal this 9th day of September, 2002.

[Signature]

Ashley B. Johnson

BE IT KNOWN, that, is to me known to be the individual described in the foregoing assignment, that on this 9th day of September, 2002, I was personally present and did see him sign and execute the foregoing assignment and that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth.

[Signature]
Witness

[Address]

Post Office Address

[Signature]
Witness

[Address]

Post Office Address
IN WITNESS WHEREOF I, Lawrence A. Behrmann, have hereunto set my hand and seal this

12 Sep 2002.

[Signature]

Lawrence A. Behrmann

STATE OF TEXAS §
§
COUNTY OF BRAZORIA §

BEFORE ME, this __________, 2002 personally appeared Lawrence A. Behrmann, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

[Signature]

Notary Public in and for the State of Texas

SEAL

My Commission Expires: 5/27/03
IN WITNESS WHEREOF I, Wenbo Yang, have hereunto set my hand and seal this 9/19, 2002.

[Signature]

Wenbo Yang

STATE OF TEXAS §

§

COUNTY OF BRAZORIA §

BEFORE ME, this 9/19, 2002 personally appeared Wenbo Yang, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

[Signature]

Notary Public in and for the State of Texas

My Commission Expires: 5/27/03
IN WITNESS WHEREOF I, Fokko H. C. Doornbosch the Inventor, have hereunto set my hand and seal.

6-Dec-2002

Fokko H. C. Doornbosch

Date

WITNESSED:

BE IT KNOWN, that, is to me known to be the individual described in the foregoing assignment, that on this 6th day of December, 2002, I was personally present and did see him sign and execute the foregoing assignment and that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth.

G. W. Landman
Witness

M.H.G. Thissen
Witness

Brasgebte 16
Oslo 1, Norway

Storhaugveien 16F
Oslo, Norway

Post Office Address

Post Office Address
ASSIGNMENT

WHEREAS, I, Ashley B. Johnson, a citizen of the United Kingdom, residing at Ravello, Butt Lane, Milton, Cambridge, CB4 6DG, Great Britain; Lawrence A. Behrmann, a citizen of the United States of America, residing at 12442 Shadycrest Drive, Houston, Texas 77082, Wenbo Yang, a citizen of the United States of America, residing at 3019 Sam Houston Drive, Sugar Land, Texas 77479, and Fokko H. C. Doornbosch, a citizen of the Netherlands, residing at Jamnholbakken 4, 4050 SOLA, Norway, hereinafter referred to as the "Inventor", have made inventions and improvements in: Controlling Transient Underbalance in a Wellbore which are the subject of an application for Letters Patent of the United States of America, executed by us on the date(s) indicated below, (Docket No. 22.1434 CIP1), hereinafter referred to as the "Invention(s)".

AND WHEREAS, Schlumberger Technology Corporation, hereinafter referred to as the "said COMPANY", a corporation duly organized, incorporated and existing under the laws of the State of Texas and having a place of business at 300 Schlumberger Drive, Sugar Land, Texas 77478 is desirous of acquiring or confirming its acquisition of the entire right, title and interest in and to said invention, inventions or improvements, and in and to said application, and in and to any and all patents, both of the United States and of all foreign countries, that may be obtained therefore;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that I, the Inventor, for good and valuable considerations, the receipt and sufficiency of which I hereby acknowledge, have sold, assigned, transferred and conveyed, and by this assignment do sell, assign, transfer and convey, unto said COMPANY, its successors and assigns, the entire right, title and interest throughout the world, in and to my invention, inventions or improvements described or set forth in said application, in any form or embodiment thereof, and in and to said application, and in and to any applications filed in any foreign country based thereon, including the right to file foreign applications under the provisions of any convention or treaty; and in and to any confirmation, divisional, continuation, continuation-in-part, or substitute application which may be filed on said invention, inventions or improvements in the United States or in any foreign country; and in and to any and all patents, certificates, utility models, reissues, extensions, additions or confirmations thereof which may be granted in the United States or in any foreign country upon said invention, inventions or improvements, TO HAVE AND TO HOLD the same to the full end of the term or terms for which any and all such United States and foreign patents and
AND I do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said COMPANY, its successors and assigns, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said COMPANY, its successors and assigns.

AND I do hereby covenant and warrant that I have full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that I have not executed and will not execute any instruments in conflict herewith.

AND I, for the conditions aforesaid, do hereby covenant and agree to and with the said COMPANY, its successors and assigns, that I, my executors, administrators, or other personal representatives, shall and will do all lawful acts and things, make all rightful oaths, and make, execute and deliver any and all other instruments in writing, and any and all further applications, papers, powers, affidavits, assignments, disclaimers and other documents, which in the opinion of counsel for said COMPANY, its successors and assigns, may be required or necessary in this or in any foreign country more effectually to secure to and vest in said COMPANY, its successors and assigns, the entire right, title and interest in and to said invention, inventions or improvements, application or applications, patents, rights, titles, benefits, privileges, and advantages hereby sold, assigned, confirmed, transferred and conveyed.

IN WITNESS WHEREOF I, Ashley B. Johnson, have hereunto set my hand and seal this

9 September, 2002.

[Signature]
Ashley B. Johnson

BE IT KNOWN, that is to me known to be the individual described in the foregoing assignment, that on this 9th day of September, 2002, I was personally present and did see him sign and execute the foregoing assignment and that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth.

Witness

[Signature]
[Name]
[Address]

Witness

[Signature]
[Name]
[Address]
IN WITNESS WHEREOF I, Lawrence A. Behrmann, have hereunto set my hand and seal this


[Signature]
Lawrence A. Behrmann

STATE OF TEXAS

$_$

COUNTY OF BRAZORIA

$_$

BEFORE ME, this 12 Sept. 2002 personally appeared Lawrence A. Behrmann, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

[Signature]
Notary Public in and for the State of Texas

SEAL

My Commission Expires: 5/27/03
IN WITNESS WHEREOF I, Wenbo Yang, have hereunto set my hand and seal this

9/19, 2002.

Wenbo Yang

STATE OF TEXAS §

§

COUNTY OF BRAZORIA §

BEFORE ME, this Sept 19, 2002 personally appeared Wenbo Yang, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

Joanne Cleveland
Notary Public in and for the State of Texas

My Commission Expires: 5/27/03
IN WITNESS WHEREOF I, Fokko H. C. Doornbosch the Inventor, have hereunto set my hand and seal.

6 - Dec - 2002
Date
Fokko H. C. Doornbosch

WITNESSED:

BE IT KNOWN, that, is to me known to be the individual described in the foregoing assignment, that on this 6th day of December, 2002, I was personally present and did see him sign and execute the foregoing assignment and that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth.

Kurt-Heinz Randel
Witness
Buleweg 16
4070 Tromsoe
Norway

Post Office Address

M.H. Thissen
Witness
Storhaugveien 16F
Stavanger
Norway

Post Office Address